

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 03/00879

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LAM CEDRIC F ET AL: "EXPERIMENTAL DEMONSTRATION OF SPECTRALLY ENCODED OPTICAL CDMA SYSTEMS USING MACH-ZEHNDER ENCODER CHAINS" CONFERENCE ON LASERS AND ELECTRO-OPTICS. CLEO '98. TECHNICAL DIGEST. CONFERENCE EDITION. SAN FRANCISCO, CA, MAY 3 - 8, 1998, OSA TECHNICAL DIGEST SERIES, VOL 6, NEW YORK, NY : IEEE, US, vol. CONF. 18, 3 May 1998 (1998-05-03), page 455, XP002211340 ISBN: 0-7803-4417-0 the whole document	1-19, 47, 49, 55, 56, 60, 61
A	----- -----	20-46, 48, 50-54, 57-59, 62, 63
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
25 August 2004	31/08/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Alonso Martin, M.E.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 309 116 A (CIT ALCATEL) 7 May 2003 (2003-05-07) paragraph '0002! paragraph '0009! paragraph '0012! - paragraph '0013! paragraph '0015! - paragraph '0016! paragraph '0019! - paragraph '0025! -----	1-11, 13, 15, 16, 47, 49, 55, 56, 60, 61
X	EP 1 115 222 A (NIPPON TELEGRAPH & TELEPHONE) 11 July 2001 (2001-07-11) paragraph '0001! paragraph '0005! - paragraph '0010! paragraph '0041! - paragraph '0046!	1, 20, 26, 27, 31, 32
A	paragraph '0062! paragraph '0064! paragraph '0067! paragraph '0087! - paragraph '0096! paragraph '0098! - paragraph '0104! paragraph '0128! - paragraph '0142! -----	2-19, 21-25, 28-30, 33-63
A	US 6 628 864 B2 (RICHARDSON DAVID JOHN ET AL) 30 September 2003 (2003-09-30) column 1, line 7 - line 12 column 3, line 41 - line 67 column 10, line 16 - line 62 column 11, line 49 - column 12, line 15 -----	1-63
A	MIN S-S ET AL: "Time-wavelength hybrid optical CDMA system with tunable encoder/decoder using switch and fixed delay-line" OPTICS COMMUNICATIONS, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 216, no. 4-6, 15 February 2003 (2003-02-15), pages 335-342, XP004409720 ISSN: 0030-4018 page 336, right-hand column - page 337, right-hand column figures 3,4 -----	1-63

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Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1309116	A	07-05-2003	EP US	1309116 A1 2003086151 A1		07-05-2003 08-05-2003
EP 1115222	A	11-07-2001	CA EP JP US	2330185 A1 1115222 A2 2001257658 A 2001010739 A1		06-07-2001 11-07-2001 21-09-2001 02-08-2001
US 6628864	B2	17-10-2002	AU AU AU EP WO WO WO US US US	3761401 A 3762201 A 3764401 A 1264433 A1 0167642 A2 0167657 A1 0167643 A2 2001055138 A1 2003035187 A1 2002150334 A1		17-09-2001 17-09-2001 17-09-2001 11-12-2002 13-09-2001 13-09-2001 13-09-2001 27-12-2001 20-02-2003 17-10-2002